

INDEX TO ECOLOGY, VOLUME 76, 1995

AUTHOR INDEX

A

Abrams, P. A., 2019
 Ackerly, D. D., 1134
 Afik, D., 2247
 Ahlgren, M. O., 899
 Akçakaya, H. R., 995, 1310
 Alexander, H. M., 1863
 Allan, J. D., 606
 Almqvist-Jacobson, H., 2503
 Alvarado, M., 565
 Andrews, J. A., 659
 Anholt, B. R., 2230, 2235
 Anthony, C. D., 533
 Arcese, P., 882
 Arditi, R., 336, 995, 1980
 Armesto, J. J., 493
 Asakura, A., 2295

B

Balčiūnas, D., 1327
 Bardon, R. E., 1013
 Barrett, S. C. H., 1051
 Basset, A., 1027
 Bazzaz, F. A., 262, 1134, 1587
 Beaupre, S. J., 1655
 Beck, M. W., 968
 Bedford, G. S., 124
 Bellingham, P. J., 2562
 Bence, J. R., 628
 Benway, H., 383
 Bergelson, J.-P., 2660
 Berkowitz, A. R., 1156
 Berryman, A. A., 336, 1980
 Bertness, M. D., 2165
 Bessie, W. C., 747
 Bierregaard, R. O., Jr., 2429
 Black, R. A., 1569
 Blanche, K. R., 2334
 Bliss, L. C., 1558
 Boersma, M., 1251
 Bollman, K., 437
 Bonser, S. P., 2176
 Booth, D. J., 91
 Bouskila, A., 165, 1990
 Bowen, S. H., 899
 Boy, V., 20
 Bradshaw, W. E., 1242, 2055
 Branch, G. M., 2314
 Brawn, J. D., 41
 Brett, M. T., 52
 Brown, D. G., 426
 Brown, J. H., 2028
 Brown, V. K., 2544
 Bubier, J. L., 677
 Burch, W. H., 2330
 Burger, J., 2415
 Burke, I. C., 1116
 Bush, J. K., 1603
 Bustamante, R. H., 2314

C

Cabin, R. J., 344
 Cain, M. L., 1147
 Canham, C. D., 521, 1156

Caraco, T., 196
 Carey, A. B., 648
 Carey, J. R., 2066
 Carpenter, S. R., 1986
 Carrière, Y., 1497
 Carty, T. M., 392
 Castro C., M. V., 2581
 Cézilly, F., 20
 Chambers, J. C., 2124
 Chapin, F. S., III, 694
 Chastel, O., 2240
 Chauvet, E., 1433
 Christian, K. A., 124
 Clark, C. W., 1320
 Clark, D. B., 2581
 Clark, D. A., 2581
 Clay, K., 1859
 Coley, P. D., 1835
 Collins, S. L., 486, 1195
 Condit, R., 1926
 Cormons, G. D., 2415
 Cory, J. S., 392
 Costanzo, J. P., 1772
 Costich, D. E., 1036
 Cottingham, K. L., 1986
 Countryman, D. W., 1013
 Crews, T. E., 1407
 Crist, T. O., 663, 2446

D

Davis, R. B., 734
 De Boer, R. J., 2270
 Death, R. G., 1446
 Deland, J.-P., 1497
 Delph, L. F., 775, 1859
 Deslippe, R. J., 375
 Dewey, B., 1383
 Dial, R., 1821
 Diehl, S., 1712, 1727
 Diffendorfer, J. E., 827
 Dobson, F. S., 851, 1643
 Doherty, P. J., 2373
 Doonan, T. J., 814
 Dukas, R., 1320
 Dunson, W. A., 593
 Dwyer, G., 1262
 Dyer, L. A., 1483

E

Eckert, C. G., 1051
 Eekhout, S., 2314
 Ehrlén, J., 652
 Eklöv, P., 70, 1712
 Elkinton, J. S., 1262
 Elser, J. J., 52
 Emmons, L. H., 1852
 Engstrom, D. R., 1706
 Eriksson, O., 652
 Erikstad, K. E., 1636
 Eshel, A., 1506
 Evans, A. S., 344
 Evans, J. P., 1147

F

Fall, R., 2640
 Fastie, C. L., 1899
 Feder, J. L., 801
 Ferguson, D. M., 2517, 2530
 Festa-Bianchet, M., 871
 Field, C. B., 1940
 Fisher, I. J., 1242
 Fisher, S. G., 942
 Flint, P. L., 2404
 Foster, D. R., 2503
 Foster, R. B., 1926
 Fowler, N. L., 2145
 Fownes, J. H., 1407
 Fox, C. W., 402
 Fraser, D. F., 1461
 Freckman, D. W., 1425
 Furnival, G. M., 1181

G

Gaines, M. S., 827, 1610
 Galen, C., 1546
 Gamon, J. A., 1940
 Gange, A. C., 2074
 Ganzhorn, J. U., 2084
 Garson, G. I., 2258
 Gascon, C., 2222
 Gaudet, C. L., 280
 Gehring, C. A., 2118
 Gerry, A. K., 272
 Giblin, A. E., 694
 Gibson, D. J., 486
 Gillespie, R. G., 196
 Gilliam, J. F., 580, 1461
 Ginzburg, L. R., 995, 1310
 Giraldeau, L., 196
 Glenn, S. M., 486
 Gochfeld, M., 2415
 Gold, W. G., 1558
 Goldman, C. R., 52
 Goulson, D., 392
 Grace, J. B., 305
 Green, B. M., 392
 Green, R. E., 20
 Green, W. C., 2470
 Gregoire, T. G., 1181
 Griffiths, M. R., 533
 Grimm, N. B., 942
 Gutierrez, A. P., 336, 1980

H

Hacker, S. D., 2165
 Hails, R. S., 392
 Hairston, N. G., Jr., 1706
 Hall, D. J., 2347
 Hall, R. B., 1013
 Hammond, D. S., 2544
 Hanski, I., 840
 Harris, P. M., 544
 Harrison, G. W., 357
 Hawley, W. A., 1242
 Hay, M. E., 107, 1347
 Hays, H., 2415
 Healey, J. R., 2562

INDEX TO ECOLOGY, VOLUME 76, 1995

AUTHOR INDEX

A

Abrams, P. A., 2019
 Ackerly, D. D., 1134
 Afik, D., 2247
 Ahlgren, M. O., 899
 Akçakaya, H. R., 995, 1310
 Alexander, H. M., 1863
 Allan, J. D., 606
 Almquist-Jacobson, H., 2503
 Alvarado, M., 565
 Andrews, J. A., 659
 Anholt, B. R., 2230, 2235
 Anthony, C. D., 533
 Arcese, P., 882
 Arditi, R., 336, 995, 1980
 Armesto, J. J., 493
 Asakura, A., 2295

B

Balčiūnas, D., 1327
 Bardon, R. E., 1013
 Barrett, S. C. H., 1051
 Basset, A., 1027
 Bazzaz, F. A., 262, 1134, 1587
 Beaupre, S. J., 1655
 Beck, M. W., 968
 Bedford, G. S., 124
 Bellingham, P. J., 2562
 Bence, J. R., 628
 Benway, H., 383
 Bergelson, J.-P., 2660
 Berkowitz, A. R., 1156
 Berryman, A. A., 336, 1980
 Bertness, M. D., 2165
 Bessie, W. C., 747
 Bierregaard, R. O., Jr., 2429
 Black, R. A., 1569
 Blanche, K. R., 2334
 Bliss, L. C., 1558
 Boersma, M., 1251
 Bollman, K., 437
 Bonser, S. P., 2176
 Booth, D. J., 91
 Bouskila, A., 165, 1990
 Bowen, S. H., 899
 Boy, V., 20
 Bradshaw, W. E., 1242, 2055
 Branch, G. M., 2314
 Brawn, J. D., 41
 Brett, M. T., 52
 Brown, D. G., 426
 Brown, J. H., 2028
 Brown, V. K., 2544
 Bubier, J. L., 677
 Burch, W. H., 2330
 Burger, J., 2415
 Burke, I. C., 1116
 Bush, J. K., 1603
 Bustamante, R. H., 2314

C

Cabin, R. J., 344
 Cain, M. L., 1147
 Canham, C. D., 521, 1156

Caraco, T., 196
 Carey, A. B., 648
 Carey, J. R., 2066
 Carpenter, S. R., 1986
 Carrière, Y., 1497
 Carty, T. M., 392
 Castro C., M. V., 2581
 Cézilly, F., 20
 Chambers, J. C., 2124
 Chapin, F. S., III, 694
 Chastel, O., 2240
 Chauvet, E., 1433
 Christian, K. A., 124
 Clark, C. W., 1320
 Clark, D. B., 2581
 Clark, D. A., 2581
 Clay, K., 1859
 Coley, P. D., 1835
 Collins, S. L., 486, 1195
 Condit, R., 1926
 Cormons, G. D., 2415
 Cory, J. S., 392
 Costanzo, J. P., 1772
 Costich, D. E., 1036
 Cottingham, K. L., 1986
 Countryman, D. W., 1013
 Crews, T. E., 1407
 Crist, T. O., 663, 2446

D

Davis, R. B., 734
 De Boer, R. J., 2270
 Death, R. G., 1446
 Deland, J.-P., 1497
 Delph, L. F., 775, 1859
 Deslippe, R. J., 375
 Dewey, B., 1383
 Dial, R., 1821
 Diehl, S., 1712, 1727
 Diffendorfer, J. E., 827
 Dobson, F. S., 851, 1643
 Doherty, P. J., 2373
 Doonan, T. J., 814
 Dukas, R., 1320
 Dunson, W. A., 593
 Dwyer, G., 1262
 Dyer, L. A., 1483

E

Eckert, C. G., 1051
 Eekhout, S., 2314
 Ehrlén, J., 652
 Eklöv, P., 70, 1712
 Elkinton, J. S., 1262
 Elser, J. J., 52
 Emmons, L. H., 1852
 Engstrom, D. R., 1706
 Eriksson, O., 652
 Erikstad, K. E., 1636
 Eshel, A., 1506
 Evans, A. S., 344
 Evans, J. P., 1147

F

Fall, R., 2640
 Fastie, C. L., 1899
 Feder, J. L., 801
 Ferguson, D. M., 2517, 2530
 Festa-Bianchet, M., 871
 Field, C. B., 1940
 Fisher, I. J., 1242
 Fisher, S. G., 942
 Flint, P. L., 2404
 Foster, D. R., 2503
 Foster, R. B., 1926
 Fowler, N. L., 2145
 Fownes, J. H., 1407
 Fox, C. W., 402
 Fraser, D. F., 1461
 Freckman, D. W., 1425
 Furnival, G. M., 1181

G

Gaines, M. S., 827, 1610
 Galen, C., 1546
 Gamon, J. A., 1940
 Gange, A. C., 2074
 Ganzhorn, J. U., 2084
 Garson, G. I., 2258
 Gascon, C., 2222
 Gaudet, C. L., 280
 Gehring, C. A., 2118
 Gerry, A. K., 272
 Giblin, A. E., 694
 Gibson, D. J., 486
 Gillespie, R. G., 196
 Gilliam, J. F., 580, 1461
 Ginzburg, L. R., 995, 1310
 Giraldeau, L., 196
 Glenn, S. M., 486
 Gochfeld, M., 2415
 Gold, W. G., 1558
 Goldman, C. R., 52
 Goulson, D., 392
 Grace, J. B., 305
 Green, B. M., 392
 Green, R. E., 20
 Green, W. C., 2470
 Gregoire, T. G., 1181
 Griffiths, M. R., 533
 Grimm, N. B., 942
 Gutierrez, A. P., 336, 1980

H

Hacker, S. D., 2165
 Hails, R. S., 392
 Hairston, N. G., Jr., 1706
 Hall, D. J., 2347
 Hall, R. B., 1013
 Hammond, D. S., 2544
 Hanski, I., 840
 Harris, P. M., 544
 Harrison, G. W., 357
 Hawley, W. A., 1242
 Hay, M. E., 107, 1347
 Hays, H., 2415
 Healey, J. R., 2562

Hedin, L. O., 493
 Herbert, D. A., 1407
 Herbst, D. R., 2517, 2530
 Herrera, C. M., 218, 1516
 Herzig, A. L., 2044
 Hill, W. R., 1297
 Hines, J. E., 2415
 Hirons, G. J. M., 20
 Hirose, T., 466
 Hirst, M. L., 392
 Hoekstra, J. R., 553
 Holt, R. D., 827, 1610
 Holzapfel, C. M., 1242
 Howe, H. F., 1917
 Hu, S. S., 2278
 Hubbell, S. P., 1926
 Hunter, M. D., 1226

I

Inbar, M., 1506
 Ingersoll, R. C., 1067
 Inouye, R. S., 1872
 Iverson, J. B., 1772
 Ives, A. R., 926

J

Jackson, D. A., 644
 Jacobsen, K., 1636
 Jaeger, R. G., 533
 Jaenike, J., 383
 James, F. C., 981
 Janos, D. P., 1852
 Jędrzejewska, B., 179
 Jędrzejewski, W., 179
 Jenkins, S. H., 2470
 Johnson, A. R., 20
 Johnson, A. H., 493
 Johnson, D. H., 1998
 Johnson, E. A., 747
 Johnson, K., 2055
 Johnson, L., 1741
 Johnson, S. G., 1859
 Jokinen, S., 892
 Jonasson, S., 475
 Jones, J. B., Jr., 942
 Jones, R. H., 2330
 Jordano, P., 2627
 Jorgenson, J. T., 871
 Jouventin, P., 2240
 Juggins, S., 677

K

Kadmon, R., 458
 Kaitala, A., 2668
 Karasov, W. H., 2247
 Karban, R., 1220
 Karr, J. R., 41
 Kazmer, D. J., 412
 Kearns, C. M., 1706
 Keddy, P. A., 280
 Keim, P., 1794
 Kelly, V. R., 1156
 Kelt, D. A., 640, 1283
 Kitayama, K., 712, 1407
 Kleckner, C. A., 1242
 Konarzewski, M., 8
 Korpimäki, E., 840
 Kullman, L., 2490

L

Laman, T. G., 2617
 Lanza, J., 2656
 Laskowski, R., 1393
 Lauenroth, W. K., 1888
 Laundre, J. A., 694
 Lawler, S. P., 1327
 Lee, R. E., Jr., 1772
 Lehtilä, K., 1084
 Leibold, M. A., 1371
 Lens, L., 2460
 Lerdau, M., 2640
 Liebhold, A. M., 1005
 Lin, H., 593
 Lindberg, M. S., 2404
 Lindquist, N., 107, 1347
 Littler, D. S., 1666
 Littler, M. M., 1666
 Lively, C. M., 1859
 Loehle, C., 326
 Losos, E., 2595
 Louda, S. M., 229
 Lucherini, M., 871
 Luck, R. F., 206, 412
 Luecke, C., 52
 Lutz, E. V., 899

M

Mack, R. N., 1569
 Maltby, A. D., 1863
 Manly, B. F. J., 1109
 Mappes, J., 2668
 Mappes, T., 1276
 Martín-Mora, E., 981
 Maryański, M., 1393
 Masuzawa, T., 2663
 Mather, P., 2373
 Matson, P., 2640
 Maurer, B. A., 27
 McAlister, S., 2184
 McCarthy, M. A., 1310
 McElhany, P., 444
 McNulty, S. G., 1581
 Meagher, T. R., 775
 Mehlman, D. W., 640, 2028
 Merriam, G., 27
 Meserve, P. L., 1283
 Michalski, J., 336
 Michener, G. R., 851
 Mihuc, T. B., 2361
 Milne, B. T., 663
 Milton, S. J., 2205
 Minshall, G. W., 2361
 Mitchell, R. J., 2330
 Mittelbach, G. G., 1758, 2347
 Monson, R., 2640
 Moore, T. R., 677
 Mopper, S., 1233
 Morin, P. J., 133
 Moser, E. B., 2258
 Mou, P., 2330
 Mousseau, T. A., 402, 1473
 Mueller-Dombois, D., 1407
 Murdoch, W. W., 206
 Murie, J. O., 1643

N

Nadelhoffer, K. J., 694
 Nakashizuka, T., 1099

Nichols, J. D., 41, 2415
 Niiho, C., 1220
 Niklińska, M., 1393
 Nilsson, J., 1804
 Nisbet, I. C., 2415
 Nonacs, P., 953

O

O'Brien, S. T., 1926
 Ohba, H., 2663
 Ohlsson, T., 1
 Olson, M. H., 1758
 O'Reilly, E., 2656
 Osenberg, C. W., 1758, 2347
 Ostfeld, R. S., 521

P

Pake, C. E., 246
 Parker, M. A., 1525
 Parrish, J. D., 1813
 Paruelo, J. M., 510, 1888
 Pastor, J., 1383
 Pedersen, O., 1536
 Pehek, E. L., 1786
 Persson, L., 70
 Peterson, C. J., 763
 Petraitis, P. S., 656, 1337
 Pickett, S. T. A., 763
 Pigliucci, M., 2134
 Planes, S., 2373
 Poff, N. L., 606
 Potvin, M. A., 229
 Power, A. G., 444

Q

Quesada, M., 437
 Quinn, J. F., 786

R

Reader, R. J., 2176
 Real, L. A., 444
 Reeve, H. K., 953
 Reeve, J. D., 206
 Rettig, J. E., 2347
 Revsbech, N. P., 1536
 Rey, P. J., 1625
 Rhodes, T. E., 734
 Riley, R. H., 292, 1407
 Risch, T. S., 1643
 Ritchie, M. E., 2648
 Robertson, G. P., 1425
 Robertson, I. C., 1990
 Robinson, G. R., 786, 1610
 Robinson, M. E., 1990
 Robles, C., 565
 Roche, B. M., 1863
 Roff, D. A., 1473, 1497
 Roitberg, B. D., 1990
 Romme, W. H., 2097
 Rothstein, A., 2470
 Roughgarden, J., 1821
 Runkle, J. R., 2107
 Ryon, M. G., 1297

S

Sæther, B., 1636
 Safina, C., 2415
 Sagers, C. L., 1835

Sahley, C. T., 1852
 Sakai, A. K., 2517, 2530
 Sala, O. E., 510
 Sand-Jensen, K., 1536
 Sandoval M., R., 2581
 Savolainen, R., 375
 Scheffer, M., 2270
 Schilling, E. M., 1297
 Schlichting, C. D., 2134
 Schlosser, I. J., 908
 Schluter, D., 82
 Schmitt, T. M., 107
 Schultz, J. C., 1226
 Sedinger, J. S., 2404
 Setälä, H., 1844
 Shaver, G. R., 694
 Shepherd, U. L., 640
 Sherwood-Stephens, R., 565
 Shibata, M., 1099
 Shonle, L., 2660
 Siccama, T. G., 659
 Siikamäki, P., 308
 Simberloff, D., 1233
 Simpson, M. R., 795
 Sinclair, A. R. E., 882
 Sipe, T. W., 1587
 Skelly, D. K., 150
 Slade, N. A., 814, 863
 Slobodchikoff, C. N., 1794
 Slusarczyk, M., 1008
 Smith, H. G., 1
 Smith, S. M., 1997
 Spaak, P., 553
 Spendelov, J. A., 2415
 Spiro, P., 1926
 Stanton, M. L., 786, 1546
 Steinauer, E. M., 1195
 Stephenson, A. G., 437
 Stevens, G. C., 2028
 Stevens, G., 383
 Stewart, G. H., 2107
 Stewart-Oaten, A., 2001
 Stoner, A. W., 981
 Stouffer, P. C., 2429
 Stow, C. A., 1986
 Suberkropp, K., 1433
 Suhonen, J., 892
 Svensson, E., 1804

Swank, W. T., 1581
 Swarbrick, S. L., 206
 Syrjänen, K., 1084
 Szymura, L., 179

T

Tanner, E. V. J., 2562
 Taper, M. L., 1283
 Tatar, M., 2066
 Taylor, P. R., 1666
 Tenhumberg, B., 1990
 Terashima, I., 2663
 Tessier, A. J., 2278
 Tieszen, L. L., 1383
 Tilman, D., 1169, 1872, 2648
 Tinbergen, J. M., 2392
 Tollrian, R., 1691
 Townsend, A. R., 721
 Travis, S. E., 1794
 Tremmel, D. C., 262
 Trumbore, S. E., 721
 Turner, A. M., 2347
 Turner, D. R., 712
 Turner, M. G., 2097
 Tyler, J. A., 580
 Tyre, A. J., 1990

U

Uetz, G. W., 196

V

Valentine, H. T., 1181
 Valentini, R., 1940
 Van Auker, O. W., 1603
 van Balen, J. H., 2392
 Van Brunt, R. A., 1706
 van Tienderen, P. H., 2482
 vanRanden, E., 1990
 Vanriel, P., 1741
 Vasconcelos, S. D., 392
 Veblen, T. T., 2107
 Venable, D. L., 246
 Verhulst, S., 2392
 Viitala, J., 1276
 Villard, M., 27
 Vinton, M. A., 1116
 Vitousek, P. M., 292, 712, 721, 1407

W

Waddell, K. J., 402
 Wagner, W. L., 2517, 2530
 Walde, S. J., 206, 1206
 Walker, J. S., 2097
 Walker, M. D., 1067
 Wallace, L. L., 2097
 Wang, Z., 2330
 Wauters, L. A., 2460
 Webber, P. J., 1067
 Wedin, D. A., 1383
 Weimerskirch, H., 2240
 Weis, A. E., 426
 Werger, M. J. A., 466
 Werner, E. E., 2230
 Westoby, M., 2334
 Wettermark, K.-J., 1
 Whitham, T. G., 2118
 Wicknick, J. A., 533
 Wieder, R. K., 1971
 Wiegand, T., 2205
 Wiens, J. A., 663
 Wiklund, C. G., 1994
 Williams, D. G., 1569
 Williams, D. W., 1005
 Williams, M. R., 646, 2607
 Williams, S. L., 1953
 Williams, T., 392
 Wilson, S. D., 272, 1169
 Winterbourn, M. J., 1446
 Wishart, W. D., 871
 Wissel, C., 2205
 With, K. A., 663, 2446
 Wool, D., 1506
 Wright, M. F., 1772
 Wright, S. J., 1971

Y

Yip-Hoi, T., 1461
 Ylönen, H., 1276
 Yokoi, Y., 2663
 Yu, D. S., 206

Z

Zak, J. C., 2196
 Zhang, Q., 2196

KEY WORD INDEX

A

Abies lasiocarpa, 747
 aboveground biomass, 2176
 aboveground net primary production, 1888
 abscission, 1233
 abundance, 2028, 2258
Abutilon theophrasti, 262
 Acari, 1206
 acclimatization, 124
 accretion, 1666
Acer, 763
Acer pensylvanicum, 1587
Acer rubrum, 1156, 1587
Acer saccharum, 1156, 1587
 acidity, 1786
Acomastylis rossii, 1067
 adaptation, 1473, 1772
 adaptive radiation, 82
Aedes sierrensis, 1242
 age at sexual maturity, 521
 age of primiparity, 871
 age-specific mortality, 2066
 age-specificity, 863
 aggregation, 2258
 aggregative response, 565
 aggression, 533
 aggressive chases, 91
 agricultural ecosystems, 1425
 Alaska, 2404
 Alberta, 851
 alder, 1899, 2074
 algae, 1297
 Allantonematidae, 383
 allelopathy, 107
 allocation, 262, 1169
 allometry, 41, 1926
 alpha-diversity, 1195
 alpine ecosystem, 2124
 alpine plants, 2663
 alpine snowbed, 1546
 alpine vegetation, 1067
 alternative reproductive strategies, 953
 altitudinal gradient, 1569
 Amaryllidaceae, 218
 Amazon, 2595
 Amazonia, 2429
 Amazonian amphibians, 2222
Ambystoma, 544
Ambystoma opacum, 133
 amino acid, 2656
 amphibians, 150, 1786, 2055
Amphicarpaea, 1525
Anagrus delicatus, 1990
 analysis of shape, 981
 analysis of variance, 2001
Anax, 150
 Andrenidae, 218
 angiosperms, 2530
 annual plants, 246
Anolis lizards, 1821
Anomodon, 2184
 ant colonies, 375
 anther-smut disease, 1863
 antifouling, 107
 antipredator behavior, 2230
 antipredator defense, 1691
 antithetic variates, 1181
 aphid, 444, 1506, 2074

Aphytis, 206
Apodemus flavicollis, 179
 apparent competition, 1327
 apple maggot fly, 801
 aquatic detritivores, 1027
 aquatic hyphomycetes, 1433
 aquatic plants, 1051
 arachnids, 795
 architecture, plant, 262
 arctic, 475, 694, 1558
 Arctic charr, 1741
 Arctic lake, 1741
 Argentina, 510
Aristida longiseta, 2145
 arthropods, 1821
 aspen, 2097
Asteraceae, 229
Astrocaryum, 2581
Astrocaryum murumuru var. *javarense*, 2595
 Atlantic white cedar, 659
 atmospheric chemistry, 2640
 atmospheric CO₂, 721
 atmospheric deposition, 493
 atmospheric pressure, 2663
 ATP concentrations, 1433
 Australia, 124
 autochthonous evolution, 2517
 autocorrelation, 628, 1005, 1425
 automata, 2205
 autonomous ecosystem, 1741
 auxiliary information, 1181
 avian ecology, 2247
 avian growth rate, 8
 axis reversal, 644

B

bacteria, 1327, 1525
 bacterial symbionts, 1525
 baculovirus, 392
 bad-years effect, 1643
 Bahamas, 981
 bank vole, 179
 bark, 2196
 Barro Colorado Island, 1835, 1926
 basal growth, 1581
 base cations, 493
 Bayesian statistics, 1986
 beaver ponds, 908
 behavior, 150, 580
 behavioral indirect effects, 1712, 2230
 behavioral thermoregulation, 218
 benthic lake community, 1727
 bet-hedging, 1497
 beta-diversity, 1195
Betula, 763
Betula pendula, 1844
Betula populifolia, 1156
 Bialowieza National Park, 179
 Big Bend National Park, Texas, 1655
 bighorn sheep, 871
 biodiversity, 486, 1425, 1587
 biogeochemical theory, 493
 biogeochemistry, 493
 biogeography, 1772, 2028
 biogeography of plant breeding systems, 2530
 biological control, 412, 1206, 1262
 biological factors, 1393
 biomass, 1181, 1666, 1741, 2314

biomechanics, 1953
 biophysical ecology, 124
 bird communities, 2429
 birds, demography, 41
Bistorta bistortoides, 1067
 Black Brants, 2404
 Blue Tits, 1804
 body condition, 851, 882, 2240
 body mass, 8, 851
 body size, 41, 646, 1027, 1691, 1821
 body temperature, 124, 1655
 bone marrow, 882
 bootstrap, 640, 644
 Borneo, 2617
 boundary processes, 908
Bouteloua curtipendula, 1603
Bouteloua rigidiseta, 2145
 braconids, 801
Bradyrhizobium, 1525
Branta bernicla nigricans, 2404
 Brazil, 2429
 breeding lifespan, 1994
 breeding-season length, 521
 breeding success, 20
 breeding systems, 1036, 2517, 2530
 British Columbia, 82
Bromus diandrus, 786
 brood-size manipulation, 1636
 bryophytes, 677, 2184
Bufo, 544
Bufo woodhousii, 133
 bushy-tailed woodrat, 648

C

C₃/C₄ photosynthetic pathways, 1383
 caching, 892, 2470
 calcium, 659
 calibrating diazo paper, 1013
 California, southern, 206
 California annual grassland, 786
 California serpentine grassland, 1940
Callosobruchus maculatus, 2066
 Camargue, 20
 canopy, 2617
 canopy architecture, 1134
 canopy CO₂ exchange, 1940
 canopy energy exchange, 1940
 canopy structure, 466
 carbohydrate sinks, 1506
 carbon, 1116, 1581
 carbon dynamics, 942
 carbon limitation of photosynthesis, 1536
 carbon-nutrient balance, 1226, 2640
 carboxylation, 2663
 Caribbean, 1666
Carpinus species, 1099
 carrying capacity, 2084
 cascading effects, 2347
 cascading trophic interactions, 52
Castor canadensis, 908
 caterpillars, 1483
Cecropia, 2429
Cervus elaphus, 2097
 CH₄, 677
Chamaecyparis thyoides, 659
Chaoborus, 1691
 chaos, 840
 chemical defense, 107, 1347, 2640
 chemical ecology, 1691
 chemical elements, 1393
 chemical factors, 1393
 chemical induction, 1691
 chi-square, 2258
 Chile, 493
 chironomid larvae, 1727
 chiton-coraline association, 1666
Chlamydosaurus kingii, 124
Choneplax lata, 1666
 chronosequence, 292, 712, 1899
 Chrysomelidae, 2044
 chrysophytes, 734
 Cladocera, 553
Clethrionomys glareolus, 179
 cliff-edge effect, 1643
 climate, 1067, 2503
 climate change, 677, 694, 1546
 climatic controls, 1888
 clipping, 1195, 1603
 clonal integration, 1147
 clonal plants, 1147
 clutch size, 308, 1636, 2392
 coevolution, 107
 coexistence, 246, 1027, 2107
 coloniality, 20
 colonists, 2517
 colonization, 458, 908, 1610, 2429
 colony founding, 953
 colony size, 20
 Colorado Rockies, 1067
 common garden, 1036
 communities, 305
 community assembly, 606, 1283
 community ecology, 926, 1337, 2028
 community structure, 606, 1109
 comparative analysis, 41, 795
 comparative method, 8
 compensation, 1084
 competition, 70, 133, 150, 246, 262, 280, 580, 892, 1169, 1283, 1297, 1371, 1758, 1786, 2019, 2107, 2145, 2176, 2184, 2470
 competition intensity, 305
 competitive ability, 272, 280
 competitive displacement, 646
 competitive exclusion, 1283, 2019
 competitive hierarchy, 272
 competitive response, 272
 complex life cycles, 2055
 computer-intensive methods, 1109
 computer simulation, 444
 conditional outcome, 1859
 conditioning, 402
 confidence intervals, 628
 coniferous forest soil, 1844
 connectivity, 2373
Connochaetes taurinus, 882
 conservation biology, 2028
 consumer-resource models, 1986
 consumer/resource ratios, 1980
 control variates, 1181
 convergence, 1872
 cooperation, 953
 coral-reef fishes, 91, 2373
 corridors, 1461
 cost of defense, 1835
 cost of reproduction, 652, 871, 1084, 1636, 1643, 2066
 Costa Rica, 2581
 cotton rats, 814
 Coweeta, North Carolina, 1581
 creosote shrubland, 344
 Crested Tit, 892

cricket, 1473
 critical thresholds, 2446
 cross-fostering, 1
Crotalus, 1655
Crotalus cerastes, 165
 crown area, 1926
 crown fire initiation, 747
 cryptograms, 1558
Cucurbita pepo, 437
Cucurbita texana, 437
 Cucurbitaceae, 1036
 cultivation, 1425
Cynomys gunnisoni, 1794

D

Daphnia, 552, 1251, 2270, 2278
Daphnia magna, 1008
Daphnia pulex, 1691
 data analysis, 1109
 dating, ²¹⁰Pb, 1706
Datura stramonium, 262
Decodon, 1051
 decomposition, 721, 1383, 1393, 1407, 1433
 defense, 1483, 1691
 defoliation, 475
 delayed density dependence, 1005
 delayed inducible resistance, 1226
 demographic bottleneck, 968
 demography, 41, 229, 652, 2145, 2482
 Dendrocolaptidae, 2429
Dendroica coronata, 2247
Dendroica virens, 1813
 denitrification, 292
 density dependence, 383, 814, 871, 1005, 2230, 2235, 2460
 density mosaic, 1233
 density vs. individual performance and space use, 521
 density-dependent dispersal, 2044
 density-dependent effects, 1859, 2145
 density-dependent growth and survival, 91
 desert rodents, 165, 2470
 desert streams, 942
 developmental phenology, 1546
 developmental plasticity, 2134
 Devon Island, Canada, 1558
 diapause, 1497
 diapausing eggs, 1706
Diaptomus sanguineus, 1706
 diatoms, 734
 diazo paper, 1013
Dictyota, 107
 diet breadth, 402, 1483
 diet switching, 2247
 diffusion models of clonal growth, 1147
 digestive adaptation, 2247
 dimorphism, 2517
 dioecy, 775, 1036, 2517, 2530
Dipodomys, 2470
Dipodomys deserti, 165
Dipodomys merriami, 165
 direct and indirect effects, 1727
 direct predation, 2222
 discrimination, 1581
 disease dynamics and evolution, 444
 disease modeling, 1262
 dispersal, 27, 458, 827, 1262, 2235, 2373
 dispersal mode, 2544
 distribution, 150, 1169, 1786, 2028, 2258
 disturbance, 763, 786, 942, 1116, 1169, 1446, 1872, 2107
 disturbance-productivity-diversity model, 1446

disturbance regime, 2562
 divergence, 1872
 diversity, 486, 694, 1425, 1446, 1587, 2019
 dominance, 786
 dominance hierarchies, 91
 dormancy, 1008
 dormant seeds, 344
 Douglas-fir, 2640
 drainage, 510
 drift, 2314
 drift paradox, 2235
Drosophila, 383
 dusky-footed woodrat, 648
 dynamic programming, 1320
 dynamics, 1393

E

early-seral forest, 2595
Ecballium elaterium, 1036
 Echimyidae, 1852
 ecological correlates of dioecy, 2530
 ecological genetics, 1051
 ecosystem structure, 1741
 ecosystem variability, 52
 ecosystems, 510, 2503
 ectomycorrhizae, 2118
 ectothermy, 218
 edaphic variation, 2581
 eddy covariance, 1940
 egg bank, 1706
 egg limitation, 1990
 egg mortality, 1706
 egg number, 1251
 egg size, 1, 1251
 eigenvector, 640, 644
Elasmucha, 2668
Elimia, 1297
 elk, 2097
 emigration, 2044
 enclosure, 521
 endemism, 2517, 2530
 enemy-free space, 801
 energetic costs, 580
 energetics, 1655
 energy allocation, 8
 energy budgets, 8
 energy, food quality, 899
 energy pyramid, 1741
 environmental change, 926
 environmental factors, 593
 environmental induction, 981
 environmental quality, 2392
 environmental stress, 2118
 environmental variability, 606
 enzyme electrophoresis, 2373
 ephippium, 1008
 epidemics, 326
 epidemiology, 444
Eschscholzia californica, 786
Esox lucius, 1712
 establishment, 2184
 estimating predator interference, 1310
 estimation, tree characteristics, 1181
Eucalyptus, 2334
 Europe, 1084
 European Starling, 1
 eusociality, 953
Euterpe, 2581
 evaporation, 510
 event-driven system, 2205

evergreen, 475
 evolution, 1473
 evolution of plant breeding systems, 2517, 2530
 exclosures, 1835, 2222
 experimental design, 1727
 experimental ecology, 1546
 experimental stream, 1461
 extreme-value function, 2607

F

facilitation, 1156, 1899, 2165
Fagus, 763
 fecundity, 246, 795, 968, 1242, 2404
 feeding efficiency and fitness, 82
 feeding experiment, 375
 feeding rate, 899
 feeding territories, 533
 fen, 466
 fertility, 1169
 fertilization, 1226
Ficus, 2617
 field experiment, 272, 521, 1233, 1262, 1835
 field manipulation, 165
 fig germination, 2617
 fine-scale environmental variability, 262
 Finland, 892
 fire, 734, 2097
 fire behavior, 747
 fire ecology, 747, 1917
 fire frequency, 486
 fire weather, 747
 fish, 580, 606, 899, 1461
 fish assemblages, 908
 fish dispersal, 908
 fish stocks, 2373
 fitness, 229, 412, 593, 1347, 1525
 fledgling survival, 1804
 flexibility, 262
 floodplain, 2595
 floral herbivory, 229
 floral microclimate, 218
 floristic composition, initial, 486
 florivory, 229
 flower duration, 218
 flower morphology, 1516
 flow rate, drift-feeding stream fish, 580
 fluorescamine, 2656
 foliar nutrient concentrations, 712
 food abundance, 2460
 food availability, 20
 food chain, 1310, 1327, 1741, 2347
 food hoarding, 2470
 food niche overlap, 533
 food quality, 899
 food storing, 892
 food supply, 375
 food web, 1425, 1727, 1821, 1844, 2314, 2361
 food-web compensation, 52
 food-web theory, 336
 foraging behavior, 165, 218, 565, 580, 795, 1320, 1813
 foraging behavior in plants, 1147
 Fordinae, 1506
 forest canopy gap, 1587
 forest disturbance, 734, 2084
 forest dynamics, 2107
 forest floor, 1971
 forest history, 1899
 forest litter, 1393
 forest regeneration, 763
 forested wetlands, 659

Formica podzolica, 375
 Formicariidae, 2429
 fountaingrass, 1569
 fractal geometry, 663
 fragmentation, 1461, 2429
 freeze tolerance, 1772
 frugivorous birds, 1625, 2627
 frugivory, 2247
 fruit abundance, 2084
 fruit size, 2627
 fruit tracking, 1625
 fuel accumulations, 747
 functional groups, 1116
 functional response, 357, 1980, 1986, 2270
 functional types, 510
 fungal reproductive activity, 1433
 Furnariidae, 2429

G

gall-forming insect, 2334
 galls, 1506
Gambusia, 544
 gap partitioning, 1587
 gaps, 763
 gap size, 2196
 gas diffusion and solubility, 2664
 gas transport, 1536
 gastropod shell, 2295
 gender specialization, 1036
 gene flow, 2373
 gene regulation, 2660
 generation overlap, 1706
 genetic variation, 1473
 genotype-environment interaction, 412
 geographic variation, 1473
 geographic variation in thermal environment, 1655
 geostatistics, 1425
 glaciation, 1051
 Glacier Bay, Alaska, 1899
 global change, 1888
Glomus, 1852
 goldenrod, 426
 Gompertz model, 863
Gossypium, 1220
 gradient analysis, 677
 granivory, 229
 grass, 1383, 2145
 grassland, 663, 1603, 1888, 2648, 1917, 2145
 grazing, 1297
 Great Barrier Reef, Australia, 2373
 Greater Flamingo, 20
 group behavior, 196
 group size, 326, 1794
 growing-season length, 1546
 growth, 150, 475, 652, 899, 968, 1067, 1587
 growth-differentiation balance hypothesis, 2640
 growth form, 2330
 growth rate, 981, 2562
 growth trade-offs, 82
 growth-rate-mortality-rate trade-offs, 2230
 Guadalquivir Valley, 1625
 guild structure, 1027
 guilds, 1917, 1926
 Guyana, 2544
 gynodioecy, 2517, 2530
 gypsy moth, 1262

H

habitat architecture, 1813
 habitat fragmentation, 27, 827, 1610, 2446

- habitat heterogeneity, 2460
 habitat productivity, 305
 habitat selection, 70, 82, 308, 648, 1813
 habitat structural complexity, 968
 habitat use, 1461, 1712
 hatchling turtle, 177
 Hawaiian Islands, 292, 712, 1407, 2517, 2530
 heartwood formation, 659
 hemiepiphyte, 2617
 herbivore, 2404, 2648
 herbivore removal, 2118
 herbivory, 229, 437, 1220, 1233, 1297, 1666, 1821, 1835, 2074, 2097, 2118, 2176, 2660
 herbivory, role in competition, 1603
 hermit crab, 2295
 heterogeneity, 2019
 heterogeneous environment, 1147
 historical effects, 763
 Holocene, 2490, 2503
 home range, 179, 648, 1027
 homeostasis, 1242
Hoplias, 1461
 host age, 412
 host feeding, 206
 host-pathogen systems, 1262
 host races, 801
 host size, 412
 host suitability, 402
 host-plant selection, 2668
 host-plant taxon, 2334
Howardula, 383
 hurricane, 2562
 Huston's dynamic equilibrium model, 1446
 hybrid zone, 2074
Hydrocotyle bonariensis, 1147
 hydrological regime, 606
 hydrology, 677, 942, 2503
Hyla andersonii, 133
Hylocichla mustelina, 27
 hyporheic zone, 942
 hypothesis testing, 1997, 1998
- I**
- ice inoculation, 1772
 ideal free distributions, 580
Impatiens capensis, 1859
 importance sampling, 1181
 inbreeding, 1794
 independence of errors, time series, 628
 indirect effects, 133, 1821
 individual fitness, 580
 individual growth rate, 521, 1712, 1727
 individual optimization, 1643
 individual-based simulation model, 2205
 individual tolerance, 1569
 individual-plant variation in pollinators, 1516
 induced resistance and susceptibility, 1220
 induction, 1226
 infanticide, 1276
 inflorescence herbivory, 229
 information processing, 1320
 insect growth and reproduction, 426
 insect guilds, 1226
 insect herbivory, 426
 insect outbreaks, 2044
 insect-plant interactions, 402
 insecticide resistance, 1497
 insectivory, 2429
 insects, 663, 1821
 instar, difference in viral transmission dynamics, 392
- interaction coefficients, 1727
 interaction modification, 2230
 interaction strength, 133
 intercolony movement, 2415
 interference, predator, 1310
 interference competition, 165
 intermediate disturbance hypothesis, 486, 1446
 internode distance, 1147
 interplant communication, 2660
 interspecific competition, 801, 1506, 2278
 interspecific hybrids, 553
 interspecific interactions, 801
 intertidal grazer biomass, 2314
 intertidal zonation, 565
 intraspecific competition, 1859, 2278, 2295
 introduced species, 1569
 invasibility, 786
 invertebrates, colonization in stream ecosystems, 908
Iriarte, 2581
Iriarte deltoidea, 2595
 irradiance, 1013, 1516
 irrigation, 1971
 island biogeography, 458, 2530, 2607
 island of soil fertility, 1116
 islands, 2517, 2530
 isolation, 458
 isotope, 1581
Iva frutescens, 2165
- J**
- Jamaica, 2562
 Janzen-Connell model, 1099
 jasmonic acid, 2660
 Jolly-Seber models, 41
Juncus gerardi, 2165
 juvenile group size, 91
 juvenile salamanders, 533
 juvenile survival, 1276
- K**
- kairomones, 1691
 kangaroo rats, 2470
 Kansas, 814
 Karoo, South Africa, 2205
 [W. K.] Kellogg Biological Station, 2347
 kelps, 2314
 Kerguelen Island, 2240
 keystone predator, 2347
 killer whales, 2482
 kin recognition, 533
 kin selection, 953
 kinship, 1276
 Kittiwake, 1636
- L**
- Labiatae, 1516
 Lack's hypothesis, 1643
 lake acidity, 734
 lake ecosystems, 1310
 lake food webs, 52
 lake sediments, 1536
 landscape context, 1899
 landscape ecology, 648, 663, 908, 2446, 2581
 landscape structure, 27
 larderhoarding, 2470
Larrea divaricata, 246
 larvae, marine, 1347
 larvae, treefrog, 150
 larval fishes, 2373

Lathyrus vernus, 652
 laying date, 1804, 2392
 leaf area ratio, 466
 leaf chemistry, 2084
 leaf damage, 437, 1226
 leaf litter, 1433
 leaf morphology, 344
 leaf orientation, 1134
 leaf retention, 475
 leaf-decomposing fungi, 1433
 leafminer, 1233
 learning, 1320, 1347
 legume, 1525, 2648
 lemurs, 2084
 Lepidoptera, 392, 1483
Lepomis macrochirus, 1758
Leucobryum, 2184
 life history, 41, 305, 553, 795, 1473, 1636, 1643, 1655,
 1691, 2055, 2295, 2404
 life-cycle evaluation, 1497
 life-history traits, 593, 775
 lifespan, 1706, 1994
 lifetime reproductive success, 871, 1994
 light, photon flux partitioning, 466
 light flecks, 1013
 light interception, 1134
 light measurement, 1013
 light meter, 1013
 light-use efficiency, 1940
 lignin, 1383
 limpets, 2314
 lipids, 1297
 litter decomposition, 1971
 litter size, 851, 1643
 litterfall, 1971
 lizards, 124
Lobelia, 2134
Lobelia dortmanna, 1536
 local adaptation, 1569
 local extinction/recolonization, 27
 logging, 458
 logistic equation, 336, 1980
 logs, 2184
 long-distance dispersal of plants, 2517, 2530
 long-lived offshore seabirds, 2240
 long-lived plant parts, 2334
 long-term ecological research, 510, 1067
 lotic ecosystems, 908
 Lotka-Volterra equations, 336, 1980

M

macroinvertebrate, 1712, 2361
 Madagascar, 2084
 magnesium, 659
 Maine, 734, 1813
 male reproductive output, 437
Mamestra brassicae, 392
 Markov modeling, 827
 mass changes, 871
 mate fidelity, 326
 maternal effect, 402, 593
 matrix model, 652
 matrix projections, 2482
 Mediterranean shrubs, 1516
 memory, 1220
Menetus, 544
 Merlins, 1994
 mesquite, 1603
 metabolic rate, 8
 metamorphosis, 2055

metapopulation, 27
 metapopulation dynamics, 2415
 methane, 677
 methyl jasmonate, 2660
Metrosideros polymorpha, 712, 1407
 Michigan, 150, 801, 1758, 2347
 microbial decomposition, 2196
 microclimate, 1516
 microcosm, 1327, 1844
 microelectrodes, 1536
 microenvironment, 1772
 microenvironmental variation, 344
 microgametophyte, 437
 microhabitat use, 165
Micropterus salmoides, 1758, 2347
 microtopography, 677
Microtus, 840
Microtus ochrogaster, 827, 863
 midwestern United States, 606
 migratory behavior, 326
 minirhizotron, 2330
 Minnesota, 908
 mixed-species flocks, 892
Mniotilta varia, 27
 model credibility, 1980
 model validation, 357
 Mojave Desert, 165
 monocultures, 1383
 monoecy, 1036
 monogamy vs. polygyny, 1794
 monoterpene concentration and emission, 2640
 montane trees, 2562
 montane tropical rain forest, 292
 Monte Carlo test, generalized, 1109
 moonlight effect, 165
 morphological plasticity, 1147
 morphology, 2165
 morph-ratio variation, 1051
 mortality rate, viral infections, insects, 392
 mosquitoes, 1242
 moss, 2184
 movement, small mammals, 827
 movement distance vs. density, 521
 multiple comparisons, 2001
 multiple hypotheses, 2470
 multiple pathways, 1899
 multivariate analysis, 644, 1888
 multivariate dimensionality, 644
 Muridae, 1852
 mussels, 1337
Mustela nivalis, 179, 840
 mutualism, 1525, 1844, 2627
 mycorrhiza, 1844
 Myrtaceae, 2334
Mytilus, 565, 1337

N

natural selection, 1051
 Nebraska sandhills, 1772
 nectar standing crop, 1516
 nectars, measuring amino acid content, 2656
 neighbor analysis, 1156
 neighbor effects, 262
 nematodes, 1425
 neonate mass, 851
 neotropical migrant birds, 27, 1813
 neotropical trees, 1926
 nestedness, 458
 nestling growth and survival, 1
 nestling mass, 1804

net reproductive rate, 593
 neutral models, 2446
 New England, 2165
 New South Wales, Australia, 2334
 New Zealand, 2107
 niche, 1371, 2028
 niche shift, 1461
 nitrification, 292
 nitrogen, 493, 694, 712, 1116, 1169, 1195, 1407, 1433, 1872, 2648
 nitrogen availability, 2640
 nitrogen fixation, 1525
 nitrogen saturation hypothesis, 493
 nitrogen trace gases, 292
 nitrogen-use efficiency, 2663
 nitrous oxide, 1407
 NOAA/AVHRR satellites, 1888
 nonequilibrium populations, 1051
 nonparametric methods, 1998, 2001
 nonparametric vs. parametric tests, 1997
 nonrandom fertilization, 437
 normal distribution, 1998
 Normalized Difference Vegetation Index, 1888
 North America, eastern, 1051
 North America, southwestern, 344
 North American spiders, 795
 northern flying squirrel, 648
Nothofagus, 2107
Notophthalmus viridescens, 133
 nuclear polyhedrosis virus, 392, 1262
 null model, 458, 1283
 numerical response, biological control, 1206
 nutrient availability, 292, 712, 1226
 nutrient budget, 475
 nutrient cycling, 493, 659, 1116, 1844
 nutrient limitation, 475
 nutrient resorption, 475
 nutrient retention hypothesis, 493
 nutrient stress, 475
 nutrients, microcosms, 1327
 nutrition, 899, 2066
 nutritional quality, 426

O

oak resistance and susceptibility to herbivory, 1233
 oats, 444
 odonates, 1727
 offspring survival, 2668
 Ogawa Forest Reserve, 1099
 old field, 1169, 1610, 1872, 2176
 old-growth forests, 493, 763
 olive cultivars, 1625
 olive orchards, 1625
 omega factor, 1940
 omnivory, 1727
 Ontario, Canada, 2176
 ontogenetic niche shifts, 1758
 ontogeny, 70, 2134
 optimal foraging theory, 899
 optimality model, 1497
 Oregon, 648
 overwintering behavior, 1772
 oviposition, 1233, 1473, 1990
Ovis canadensis, 871
 oxic lake sediments, 1536

P

paleoclimatology, 2490
 paleoecology, 734, 2490
 paleolimnology, 734

palms, 2581, 2595
 Panama, 41, 1835, 1926, 2544
Panonychus ulmi, 1206
 parameter estimation, 357, 1998
Paraponera clavata, 1483
 parasite virulence, 383
 parasitism, 383, 1990
 parasitoid, 206, 412, 801
 parasitoid foraging, 1990
 parental care, 795, 2668
 partial autocorrelation function, 1005
Parus caeruleus, 1804
Parus cristatus, 892
Parus major, 2392
Parus montanus, 892
 Patagonia, 510, 1283
 Patagonian steppe, 1283
 patch choice, 580
 patch dynamics, 763
 patchiness, 827, 1461
 patch size, 1610
 paternal success, 437
 path analysis, 426, 851
 pathogen, 362, 392
 peatlands, 677, 2503
Pectocarya recurvata, 246
Perca fluviatilis, 70, 1712, 1727
 perch, 70
 percolation theory, 2446
 perennial herb, 1084
 periphyton, 1297
Peromyscus leucopus, 863
Peromyscus maniculatus, 827, 863
 Peru, 1852, 2544
 petrels, 2240
 pH effect on anuran breeding success, 1786
 phenology, 218, 1067, 1233, 1917, 2640
 phenotypic plasticity, 593, 1473, 1691
 phenotypic quality, 2392
 phenotypic response, 1008
 phenotypic selection, 2627
Phenicopter ruber roseus, 20
 pheromones, 533
 phloem transport, 1506
 phosphorus, 694, 712, 1407, 1433
 photoinhibition, 1297
 photorespiration, 2663
 photosynthesis, 1569
 photosynthesis-irradiance, 1297
 photosynthetic photon flux density, measurement, 1013
 phototropism, 1134
Phyllospadix, 1953
 phylogeny, 8
 physical defense, 2074
 physical factors, litter decomposition, 1393
 physical habitat template, 606
 physiological activity, 2196
 physiological benefits, plant interaction, 2165
 physiological effects, chemical defenses against predation, 1347
Picea engelmannii, 747
Picea glauca, 1813
Picea rubens, 1813
 Pied Flycatcher, 308
Pinus contorta var. *latifolia*, 747
Pinus edulis, 2118
Pinus logs, 2184
Pinus sylvestris, 1844
 pioneer trees, 1134
Piranga olivacea, 27

Pisaster, 565
 piscivorous predators, 70, 1712
 plant biomass and density, 656
 plant community, 466
 plant community development, 1558
 plant community ecology, 1546
 plant competition, 272, 1156
 plant defense, 1226, 1835, 2660
 plant growth, 1844, 2176
 plant-herbivore interactions, 107
 planting date vs. growth, 1603
 plant interactions, 2165
 plant nutrition, 1206
 plant ontogeny, 1220
 plant patchiness, 1794
 plant pathogen, 444, 1863
 plant reproduction, 1084
 plant reproductive success, 1525
 plant secondary compounds, 1483
 plant-soil feedback, 1116
 plant succession, 1156
 plant survival, 1084
 plant virus, 444
Plantago patagonica, 246
 plasticity, 981, 2055
Platygyrium, 2184
 plausibility criteria, 336
 pleiotropy, 1497
Plethodon cinereus, 533
 Plethodontidae, 533
 plot size, 786
Poa, 2176
 Poland, 179, 1393
 polar deserts, 1558
Polistes dominulus, 953
 pollen in pond sediments, 734
 pollen limitation, 218, 652
 pollen performance and production, 437
 pollen size, 437
 pollination, 218, 1084
 pollinator composition, 1516
 pollinators and sunlight patterns, 1516
Polygonum pensylvanicum, 262
 polyphenism, 1473
 population comparisons, 1655
 population cycle, 840
 population density, 1794
 population distributions, 2446
 population dynamics, 179, 229, 383, 814, 926, 1005, 1206, 1727, 2028, 2278, 2460
 population genetics, 2373
 population growth rate, 652, 2482
 population limitation, 882
 population persistence, 1610, 2235
 population regulation, 206, 383, 565, 2145, 2176, 2230
 population size structure, 1727
Populus tremuloides, 747, 2097
 pore-water CO₂ and O₂, 1536
Porolithon pachydermum, 1666
 positive interaction, 2165
 power estimates, competition studies, 1283
 power function, 2607
 prairie, 1917
 prairie dogs, 1794
 predation, 70, 133, 150, 179, 565, 968, 1310, 1327, 1371, 1461, 1483, 1691, 1758, 1821, 1994, 2347, 2668
 predation mechanisms, 1980
 predation models, 995
 predation risk, 882
 predation threat, 1461

predator-induced defense, 1008
 predator-prey dynamics, 840
 predator-prey interactions, 908, 1206, 1347, 1712
 predator-prey models, 1986
 predator-prey theory, 1980
 predator response, 565
 predictive model, methane emission, 677
 preference, herbivore, 1233
Prestoea, 2581
 prey dependence, 995
 prey detection, 1320
 prey fish, 1712
 prey refuges, 70, 1727
 primary productivity, 52
 primary succession, 1899
 primates, 2084
Primula veris, 1084
 principal-components analysis, 640, 644
 prior grazing, 426
 Procrustean rotations, 644
 productivity, 694, 1446, 2019
 productivity gradient, 1156
Prokelisia marginata, 1990
 proportions, Pearson chi-square statistic, 2258
Prosopis glandulosa, 1603
 protandry, 1242
 protein, determinant of food quality, 899
 protists, 1327
 proxy function, 1181
Prunus, 2627
Pseudacris, 150, 544
Pseudacris crucifer, 133
Pseudosuccinea, 544
Pseudotsuga menziesii, 2640
Psychotria horizontalis, 1835
Pterocallis alni, 2074
Puccinia recondita, 1859
 Puerto Rico, 1821

Q

queen conch, 981
Quercus, 1226, 2184
Quercus geminata, 1233

R

rain forest, 1821, 2581, 2617
 ramet foraging, 1147
Rana catesbeiana, 2230
 random placement, 2607
 randomization test, 1109, 2184
 randomized branch sampling, 1181
 ratio dependence, 336, 995, 1310, 1980, 1986
 reaction norms, 2134
 recolonization cycle, 2235
 recruitment, 41, 814, 1337, 2562
 red scale regulation, biological control, 206
 redundant species, 133
 reef building, 1666
 reference system, autonomous lake, 1741
 refuge, 206, 968
 regional analysis, 1888
 regional patterns, 606
 regression, 628, 656
Reithrodontomys megalotis, 863
 relatedness asymmetries, 375
 relative fitness, 246
 removal experiment, 272, 1821
 replacement series analysis, 2184
 reproduction, 593, 652, 795, 1251, 1347
 reproductive effort, 2240

reproductive performance, 20, 2240
 reproductive rate, 521, 2460
 reproductive success, 308, 344, 1242, 1276, 2392
 reproductive timing, 1804
 resource allocation, 475, 1691
 resource dependence, 1986
 resource gradients, 280
 resource limitation, 652
 resource partitioning, 2278
 resource utilization, sexual differences, 2295
 resource utilization, trophic generalists vs. specialists, 2361
 resprouting ability, 2334
 restoration, 1917
Rhagoletis pomonella, 801
Rhinichthys atratulus, 580
 rhizome growth responses, 1147
 Ricker model, 1005
 risk-spreading, 1990
Rissa tridactyla, 1636
Rivulus, 1461
Rivulus marmoratus, 593
 roach juveniles and piscivorous perch, 70
 rocky intertidal shores, 1337
 Rocky Mountain stream, 2361
 rodent dispersal of mycorrhizal fungi, 1852
 rodent population dynamics, 840
 root competition, 272
 root dynamics, 2330
 root:shoot ratio, 1169
 Roseate Tern, 2415
 Rothermel's fire behavior model, 747
 Rubiaceae, 1835
 rubisco, 2663
 rust infection, 1859
Rutilus rutilus, 70

S

salt marsh, 2165
Salvelinus alpinus, 1741
 sandhills prairie, 1195
 sapling growth, 2107
 scale-dependence of movement patterns, 663, 827
 scaling, 1940
 scatterhoarding, 892, 2470
Schismus barbatus, 246
Sciurus vulgaris, 2460
Sclerocystis, 1852
 seabirds, 2415
 seagrass reproduction, 1953
 search patterns, 1320
 seasonal change, 2295
 seasonality, 124, 814, 840, 1888
 seasonal succession, 2278
 seaweed, 107
 secondary compounds, 2334
 secondary metabolites, 107, 1347
 secondary succession, 1610
 sediment chemistry, 734
 seed bank, 1099
 seed demography, 1099
 seed dispersal, 892, 2627
 seed entrapment, 2124
 seed fates, 2124
 seed limitation, 229
 seed mass, 2627
 seed morphology, 2124
 seed predation, 229
 seed rain, 1099, 1899
 seed size, 2124, 2544

seed tray experiments, 165
 seedling bank, 1099
 seedling demography, 763, 1099
 seedling establishment, 2124, 2617
Seiurus aurocapillus, 27
 selection differential, 2482
 selection intensities, size, sex differences, 412
 selection response, 2482
 selectivity, 1990
 self-thinning, 656, 1337
 semiarid ecosystem, 2205
 senescence, 863, 2066
 Serengeti, 882
 serial correlation, 628
Setaria faberii, 262
 sex investment, 375
 sex ratio, 375, 1953, 2295
 sexual dimorphism, 775
 sexual dimorphism of flowers, 2517, 2530
 sexual polymorphisms, 1051
 sexual selection, 326
 shade, stream ecosystem, 1297
 shell morphology, queen conch, 981
 shell production, quality, and size, hermit crab, 2295
 shelter limitation, 968
 shoot competition, 272
 shoreline plant communities, 280
 shortgrass steppe, 1116
 short-lived nearshore seabirds, 2240
 shrublands, 1603, 1888
Sialia lutaria, 1727
 side-oats grama, 1603
Sigmodon hispidus, 814, 827, 863
 Sigmodontinae, 1283
Silene alba, 1863
Silene latifolia, 775
 similarity, species composition, 1872
 simulated bovine urine, 1195
 simulated herbivory, 1603
 simulation model, 1497
 simulation modeling, 2446
 site fidelity, 27
 size, initial, 272
 size-fitness hypothesis, 412
 size-class competition, 1712
 size-specific foraging, 70
 size-specific predation, 1337
 size-structured populations, 968
 snails, 1297
 snake predation, 165
 snow, effect on phenology and growth, 1067
 social contract, 953
 social dominance, 892
 social foraging, 196
 social Hymenoptera, 375
 social systems, 1794
Socratea, 2581
 soil, 2544, 2648
 soil carbon, 721
 soil community structure, 1425
 soil crusts, 1558
 soil development, 1407
 soil fauna, 1425, 1844
 soil fertility, 2334
 soil heterogeneity, 1116
 soil moisture, 1558
 soil organic matter, 1383
 soil particle size, 2124
 soil resources, 272
 soil respiration, 721

soil water, 1581
Solidago missouriensis, 426
 Sonoran Desert, 246, 942
 source-sink dynamics, 827
 South Africa, 2205, 2314
 South American mammals, 1283
 space competition, 1276
 space use, 827
 space-time, 1027
 Spain, 218, 1036, 1516
 spatial autocorrelation, 196
 spatial dominance, 1337
 spatial dynamics, 444, 1610, 2205
 spatial heterogeneity, 827, 942, 1610, 2581
 spatial spread of insect pathogens, 1262
 spatial structure, 2270
 spatial variability, 1425
 spatial variation of soil trophic groups, 246, 2028
 spatio-temporal variation in fruit and frugivorous bird abundance, 1625
 specialization, antipredator mechanism, 1483
 species-area relation, 1610, 2607
 species composition, 458
 species co-occurrences, 1109
 species diversity, 486, 1425, 1587
 species-environment interactions, 553
 species evenness, 1446
 species incidence, 2607
 species interactions, 926, 1758, 2347
 species number, 2019
 species occurrence, 2222
 species requirement, 1371
 species richness, 786, 1446, 2334
 species-impact niche concept, 1371
Spermophilus, 851, 1643
 spiders, 795, 1821
 spore and disease spread, 1863
 spore dispersal, 1852
 Spotted Owl, 648
 spruce, 1899
 spruce forests, 1813
 stability, 206, 565, 2270
 stable carbon isotopes, 1383
 stage-structure, 392, 1758, 2278
 standing crop gradient, 280
 starvation, 882
 statistical methods, 644, 656, 1109, 1997, 1998, 2001
 statistical power, 1997
Stator limbatus, 402
 steppes, 510
Sterna dougallii, 2415
 sticklebacks, 82
Stilbosis quadricustata, 1233
 stochastic models, 926
 stone crab, 968
 stream discharge, 908
 stream fish assemblages, 580, 1433
 stream metabolism, 942
 streams, 606
Strombus gigas, 981
 structural equation modeling, 426
 structural size, 851
Sturnus vulgaris, 1
 submerged macrophytes, 1712
 subsidy by subtidal kelps, 2314
 subtropical forest, 2196
 succession, 734, 1872, 1917, 2648
 succulence, 2165
 sunlight pattern and pollinators, 1516
 supercooling and overwintering by turtles, 1772

supplemental feeding, 814, 1804
 surface fire intensity, 747
 surfgrass, 1953
 survival, 246, 383, 814, 863, 1587, 2404, 2415
 survival rate, 41, 521
 susceptibility to viral infection, 392
 Sweden, 652, 1727, 2490
 switching cost, foraging model, 1320
 sympatric speciation, 801

T

talking trees, 2660
 tallgrass prairie, 486, 1195
 tannin, 1226, 1835
 temperate forest, 493, 2330
 temperature effects on tundra ecosystems, 694
 temporal dynamics, 2205
 temporal variability in prey, 196
 temporal variation and coexistence, 246
 territoriality, 1276, 1794
 territory quality, 308, 1804
Tetranychus, 1220
 Texas, 1603
 thermal biology, 218
 thermal constraints, 1655
 thermal environment, 124
 thermoregulation, 124
 thistles, 229
 thoracic temperature, 218
 threshold trait, 1497
 throughfall, 1393
 time-series analysis, 628, 1005
 topography, 2503
 tornado, 763
 toughness, herbivory, 1835
 trade-offs, 150, 775, 1242, 2066, 2247
Tramea lacerata, 2230
 transmission dynamics of a virus, 392, 1262
 transpiration, 510
 transplant experiments, 981, 2222
 tree growth, 2107
 tree growth in gaps, 2107
 tree rings, 1899
 tree seedlings, 1156
 treefall gaps, 2084, 2107, 2544
 tree-limit change, Holocene, 2490
 treehole mosquitoes, 1242
 trichomes, 2074
 triphenyltetrazolium chloride, 2330
Trirhabda, 2044
Trirhabda canadensis, 426
 tristly, 1051
 tritrophic interactions, 133
 trophic biomass ratios, 1310
 trophic cascade, 133, 1327
 trophic chains, 1310
 trophic generalists vs. trophic specialists, 2361
 trophic hierarchy, 1741
 trophic level, 2347
 trophic strategies, 899
 trophic-level interactions, 908
 tropical forest, 1852, 2562
 tropical moist forest, 1971
 tropical rain forest, 2581
 tropical rain forest canopy, 1821
 tropical stream, 1461
 tropics, 41, 124, 1483, 1835
Tsuga, 763
 tundra, 694
 turtle hatchling, 1772

two-stage estimator, 628
Type I and Type II errors, 1997
Typhlodromus pyri, 1206

U

ultraviolet light, 2330
understory light conditions, 1013
unpolluted conditions, 493
upstream migration, 2235
Ustilago violacea, 1863

V

Valdivian temperate rain forest, 1283
validity, statistical, 2001
Van Wagner's crown fire model, 747
variance in lifetime productivity, 1994
vector behavior, 444
vegetation, 1407, 1872
vegetation dynamics, 2490
vertical hydraulic gradients, 942
vertical migration, 2278
vesicular-arbuscular mycorrhizal fungi, 1852
Vismia, 2429
volatile signals, 2660
voles, 1276

W

warblers, 1813
Washington, 648
wasps, 953
water availability, 1558
water dynamics, 510
water levels, 20
water potential, 2165

water relations, 1558
water table, 677
water-use efficiency, 2165
water velocity, 580
water-filled pore space, 292
watershed approach, 493
weasel, 179, 840
Welfia, 2581
wet-dry tropics, northern Australia, 124
white pine, 1581
Wilcoxon test, 458
Wilcoxon-Mann-Whitney test vs. *t* test, 1998
wildebeest, 882
wildfire, 2361
Willow Tit, 892
wind dispersal, 1099
windthrow, 763
winter survival, 1772
wintergreen, 475
wood chemical composition, 659
wood tissue, 1581
woodland stream, 1297
woody plant growth, 1603
woody plants, 458
Wyeomyia smithii, 2055

Y

yellow-necked mouse, 179
Yellow-rumped Warbler, 2247
Yellowstone National Park, 2097

Z

zero-net-growth isoclines, 1371
zooplankton, 1706, 1712, 2278, 2347